

Brief Description of the Drawings:

FIGURE 1 (Figure 1A-1B) provides the nucleotide sequence of a cDNA molecule for form 1 (SEQ ID NO:1) and transcript sequence for form 2 (SEQ ID NO:4) that encode the transporter proteins (form 1 and 2) of the present invention. In addition, structure and functional information is provided, such as ATG start, stop and tissue distribution, where available, that allows one to readily determine specific uses of the inventions based on these molecular sequences. Experimental data as provided in Figure 1 indicates expression in humans in germinal center B cells. Throughout Figures 1-3, where no form is indicated, the data provided generally applies to both form 1 and form 2 (e.g, BLAST hits, protein analysis, etc.).

FIGURE 2 (Figure 2A-2D) provides the predicted amino acid sequences of the transporters of the present invention (form 1 = SEQ ID NO:2, form 2 = SEQ ID NO:5). In addition, structure and functional information such as protein family, function, and modification sites is provided where available, allowing one to readily determine specific uses of the inventions based on these molecular sequences. Figure 2 also provides an alignment of form 1 and form 2.

FIGURE 3 (Figure 3A –3I) provides the genomic sequence that spans the gene encoding forms 1 and 2 of the transporter protein of the present invention (SEQ ID NO:3). In addition, structure and functional information, such as intron/exon structure, promoter location, etc., is provided where available, allowing one to readily determine specific uses of the inventions based on this molecular sequence. As illustrated in Figure 3, SNPs were identified at eight different nucleotide positions in the genomic sequence.